

FORM PTO-1390 (REV. 9-2001)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER <div style="font-size: 1.2em; font-weight: bold;">MSA 265</div>	
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>				U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <div style="font-size: 1.5em; font-weight: bold;">10/574555</div>	
INTERNATIONAL APPLICATION NO. <div style="font-size: 1.1em;">PCT/GB2004/004077</div>		INTERNATIONAL FILING DATE <div style="font-size: 1.1em;">Sept. 24, 2004</div>		PRIORITY DATE CLAIMED <div style="font-size: 1.1em;">Oct. 3, 2003</div>	
TITLE OF INVENTION <div style="font-size: 1.1em;">DIAGNOSTIC SYSTEM FOR A MODULAR FIELDBUS BOARD</div>					
APPLICANT(S) FOR DO/EO/US <div style="font-size: 1.1em;">GUNTER ROGOLL et al.</div>					
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:					
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>					
Items 11 to 20 below concern document(s) or information included:					
<ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li>14. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input type="checkbox"/> Other items or information:</li> </ol>					

U.S. APPLICATION NO. <b>10/574555</b> INTERNATIONAL APPLICATION NO.	ATTORNEY'S DOCKET NUMBER
--	--------------------------

21. <input type="checkbox"/> The following fees are submitted: <b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):</b> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO..... <b>\$1040.00</b>  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... <b>\$890.00</b>  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... <b>\$740.00</b>  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... <b>\$710.00</b>  International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... <b>\$100.00</b> <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>	<b>CALCULATIONS PTO USE ONLY</b>																										
	\$	<b>1000</b>																									
		<b>00</b>																									
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).	\$																										
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 20%;">CLAIMS</th> <th style="width: 20%;">NUMBER FILED</th> <th style="width: 20%;">NUMBER EXTRA</th> <th style="width: 20%;">RATE</th> <th style="width: 20%;">\$</th> </tr> <tr> <td>Total claims</td> <td>- 20 =</td> <td></td> <td>x <b>\$18.00</b></td> <td>\$</td> </tr> <tr> <td>Independent claims</td> <td>- 3 =</td> <td></td> <td>x <b>\$84.00</b></td> <td>\$</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ <b>\$280.00</b></td> <td>\$</td> </tr> <tr> <td colspan="4" style="text-align: right;"><b>TOTAL OF ABOVE CALCULATIONS =</b></td> <td>\$</td> </tr> </table>	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	Total claims	- 20 =		x <b>\$18.00</b>	\$	Independent claims	- 3 =		x <b>\$84.00</b>	\$	MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ <b>\$280.00</b>	\$	<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$	\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$																							
Total claims	- 20 =		x <b>\$18.00</b>	\$																							
Independent claims	- 3 =		x <b>\$84.00</b>	\$																							
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ <b>\$280.00</b>	\$																							
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$																							
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	\$																										
<b>SUBTOTAL =</b>	\$																										
Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).	\$																										
<b>TOTAL NATIONAL FEE =</b>	\$																										
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property +	\$																										
<b>TOTAL FEES ENCLOSED =</b>	\$	<b>1,000</b>																									
	Amount to be refunded:	<b>00</b>																									
	charged:	\$																									

a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
 A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any  
 overpayment to Deposit Account No. 110224. A duplicate copy of this sheet is enclosed.

d. ☒ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card  
 information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR  
 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

**Horst M. Kasper**  
**13 Forest Drive**  
**Warren, N.J. 07059**

*Horst M. Kasper*  
 SIGNATURE  
**HORST M. KASPER**  
 NAME  
**28,559**  
 REGISTRATION NUMBER

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it displays a valid OMB control number

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

## FEE TRANSMITTAL

### For FY 2006

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

#### Complete if Known

Application Number	PCT/GB 2004/004077
Filing Date	09/24/2006
First Named Inventor	GUNTER ROGOLL et al.
Examiner Name	
Art Unit	
Attorney Docket No.	MSA 265

#### METHOD OF PAYMENT (check all that apply)

☐ Check ☒ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: 11-0224 Deposit Account Name: \_\_\_\_\_

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

#### FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)

##### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	\$ 1,000.00
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

##### 2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180
<b>Total Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>
- 20 or HP = _____ x _____ = _____		
HP = highest number of total claims paid for, if greater than 20.		
<b>Indep. Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>
- 3 or HP = _____ x _____ = _____		
HP = highest number of independent claims paid for, if greater than 3.		

##### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fees Paid (\$)
_____ - 100 = _____	_____	_____ / 50 = _____ (round up to a whole number) x _____	_____	_____

##### 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount) Fees Paid (\$)  
\$ 1,000.00

Other (e.g., late filing surcharge): \_\_\_\_\_

#### SUBMITTED BY

Signature	Registration No. (Attorney/Agent) <u>28 559</u>	Telephone <u>(908) 526 6100</u>
Name (Print/Type)	Date <u>3.30.06</u>	

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Gunter Rogoll at al.

Serial No:

Art Unit:

Filing Date:

Title: DIAGNOSTIC SYSTEM FOR A MODULAR FIELDBUS BOARD

Priority App.: Country: Great Britain; No.:0323178.4; Filing Date: October 3, 2003

PCT Application: No.: PCT/GB2004/004077 Filing Date: September 24, 2004

March 29, 2006

Attorney's Docket No.: MSA265R1

**REQUEST TO ACCEPT PATENT APPLICATION FOR ENTERING  
UNITED STATES NATIONAL PHASE UNDER 35 USC §371**

Hon. Commissioner of Patents and Trademarks

P.O. Box 1450

Alexandria, VA 22313-1450

SIR:

A patent application related to the above identified application was filed on September 24, 2004 under the PCT Treaty under the docket number PCT/GB2004/004077. English translation of the originally filed PCT application PCT/ GB2004/004077 is enclosed with this filing.

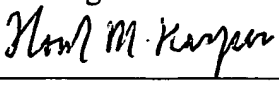
It is respectfully requested that the present application be treated as an application filed under the Section 35 U.S.C. § 371 for transferring a PCT application PCT/ GB2004/004077, naming the United States, into the national phase and that the present application be granted any and all benefits and in particular those benefits relating to a priority recognition of prior filings under jurisdiction of treaty members and available under the Patent Cooperation Treaty (Washington Treaty), the Paris Convention Treaty, and

under the United States Code based on the filing under the Patent Cooperation Treaty of PCT application PCT/ GB2004/004077.

If there should be any problems in granting the benefits available under the Patent Cooperation Treaty and/or 35 USC §371 based on such items as incompleteness of application, excessive time delays or defective application papers, then it is alternatively respectfully requested that prior to the expiration through abandonment of a filing under 35 USC §371 and under charging the required fees from deposit account, the present application be treated as an application and/or continuation application filed at a time required under any one of the sections 35 U.S.C. §111, 35 U.S.C. §363, and/or 35 U.S.C. §365(c) as applicable and that the present application be treated as a continuation or continuation-in-part application of the PCT application PCT/ GB2004/004077.

Recognition of PCT national phase status or, respectively, continuation or continuation-in-part status under the PCT Treaty and/or of the claimed priority dates of October 3, 2003 is respectfully requested for the patent application documents in the above captioned matter.

Respectfully submitted,  
Gunter Rogoll at al.

By:   
\_\_\_\_\_  
Horst M. Kasper, their attorney,  
13 Forest Drive, Warren, N.J. 07059  
Tel.:(908)526-1717 Fax:(908)526-6977  
Reg. No. 28,559; Docket No.: MSA265

\*%ptn:pctnat:1(MSA265R1(March 29, 2006 (am&dp

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Gunter Rogoll at al.

Serial No:

Art Unit:

Filing Date:

Title: DIAGNOSTIC SYSTEM FOR A MODULAR FIELDBUS BOARD

Priority App.: Country: Great Britain; No.:0323178.4; Filing Date: October 3, 2003

PCT Application: No.: PCT/GB2004/004077 Filing Date: September 24, 2004

March 30, 2006

Attorney's Docket No.: MSA265T1

TRANSMITTAL LETTER

Transmitted herewith for filing is:

Hon. Commissioner of Patents and Trademarks

**Box PCT**

P.O. Box 1450

Alexandria, VA 22313-1450

SIR:

Transmitted herewith for filing is:

<X> Form PTO-1390

<X> Copy of the PCT application No. PCT/GB2004/004077 as published – Publication No. WO 2005/041484 A1 (5 pages of the Specification, 3 pages of Claims and 1 drawing sheet)

<X> Preliminary Amendment dated March 30, 2006

<X> **Applicant claims large entity status.**

<X> Request to Accept Patent Application for Entering U.S. National Phase under 35 USC § 371

<X> Claim of Priority

<X> Copy of the International Search Report (3 pages)

<X> Certified copy of Priority Document No.: 03231178.4 (5 pages)

<X> Fees in the amount of \$ **1,000.00** are to be charged to a credit card. Form PTO -2038 is enclosed

(X) The applicant hereby petitions the Commissioner of Patents and Trademarks to extend the time for response to any Office Action outstanding in the above captioned matter as necessary to avoid abandonment of the application. Please charge my deposit account No.11-0224 in the amount required to cover the cost of the extension. Any deficiency or overpayment should be charged or credited to the above account.

<X> The Commissioner is hereby authorized to charge any fees under 37 CFR 1.16, 1.17 and 1.18 or any additional fees which may be required during the entire pendency of the application, or credit any overpayment, to Acct. No.11-0224. A duplicate copy of this sheet is enclosed. If and only if(r) account funds should be insufficient, immediately contact our associate, Lisa Zumwalt, at (703) 415-0579, who will pay immediately to avoid deprivation of rights.

< > Please charge my Deposit Account No.11-0224 in the amount of \$ \_\_\_\_\_. A duplicate copy of this sheet is enclosed.

10/574555  
IAP9 Rec'd PCH/PTO 03 APR 2006

A signature or signatures required for the above-recited document(s) is (are) provided here below. Such signature(s) also provide(s) ratification for any required signature appearing to be defective in the above-recited document(s).

*Horst M Kasper*

Horst M. Kasper, 13 Forest Drive, Warren, N.J. 07059  
Reg. No. 28,559 Tel. (908) 526-1717

**Express Mail Certification:** I hereby certify that the correspondence attached hereto is being deposited with the USPS "Express Mail Post Office to Addressee" on the date indicated below and is addressed to the Hon. Commissioner of Patents and Trademarks **Box PCT** P.O. Box 1450 Alexandria, VA 22313-1450,

Deposit Date: **APR 03 2006** Express Mail Mailing Label No": **EV 704 549 888 US**

Signature: *Horst M Kasper* Date: **APR 03 2006**

\*%Pci1:d:trans1(MSA265T1 (march 30, 2006(dp&am